

OCTOBER 7

8.30 - 9.00 Registration

9.00 - 9.30 Welcome & Introduction

9.30 - 10.30 **Opening Lecture** - How predicting technological progress can help solve climate change - **Doyne Farmer**, University of Oxford

10.30 - 11.00 Coffee Break

11.00 - 12.30 **Session I** - Big data for economics and innovation

- » Keynote: **So Young Sohn**, Yonsei University, Seoul
- » **Marco Guerzoni**, University of Turin & DESPINA
- » **Giorgio Triulzi**, University of Los Andes, Bogotá

Chair: **Elena Beretta**, Polytechnic University of Turin & Nexa Centre

12.30-14.00 Lunch Break

14.00-15.30 **Session II** - Coevolution of Science, Technology and Production

- » Keynote: **Bart Verspagen**, UNU-MERIT
- » **François Lafond**, University of Oxford
- » **Emanuele Pugliese**, JRC European Commission, Seville

Chair: **Fabrizio Fusillo**, University of Turin

15.30 - 16.30 Coffee Tables

16.30-17.30 **Session III** -The economic-innovation jungle: lessons from patent and network analytics

- » **Milad Abbasiharofteh**, IAMO
- » **Carsten Guderian**, PatentSight
- » **Matteo Nazzario**, Intesa Sanpaolo Innovation Center

Chair: **Elena Vallino**, University of Turin

17.30 - 19.00 **Hands-on Workshop** Economic Complexity with **Alan Kirman**, OECD

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9.00 - 10.30 **Session IV** - Economic Complexity: theory and methodology from complex networks

- » Keynote: **Alan Kirman**, EHESS, Paris & OECD
- » **Guido Chiarotti**, IN Srl & Polytechnic University of Turin
- » **Andrea Zaccaria**, CNR-Institute for Complex Systems

Chair: **Carla Sciarra**, Polytechnic University of Turin

10.30 - 11.00 Coffee Break

11.00 - 12.30 **Session V** - Prediction of impacts of the innovation trajectories and RRI-compliant management of uncertainty

- » Keynote: **Jeroen van der Hoven**, TU Delft
- » **Tommaso Ciarli**, University of Sussex
- » **Niels Mejlgaard**, Aarhus University

Chair: **Tommaso Portaluri**, IN Srl & CEST

12.30 - 14.00 Lunch Break

14.00 - 15.30 **Session VI** - Integration between complex networks and machine learning

- » Keynote: **Guido Caldarelli**, IMT Lucca
- » **Silvia Giordano**, SUPSI
- » **Andrea Tacchella**, CNR-Institute for Complex Systems

Chair: **Davide Luzzati**, ETH Zürich & École Polytechnique - Paris-Saclay

15.30 - 16.30 Coffee Tables

16:30 - 17:30 **Session VII** - The pillars of growth: a net-sci approach to private and public sectors

- » **Laura Li Puma**, Intesa Sanpaolo Innovation Center & **Alfonso Semeraro**, University of Turin
- » **Arianna Miola**, Intesa Sanpaolo Innovation Center & **Marco Lamieri**, Intesa Sanpaolo
- » **Luca Verginer**, ETH Zürich

Chair: **Daniela Arlia**, AMSE-EHESS & CEST

17.30 - 19.00 **Hands-on Workshop** Innovation Mapping with **George Richardson**, Nesta UK

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9.00 - 10.30 **Session VIII** - Bibliometrics and indicators for interdisciplinary research

- » Keynote: **Ismael Ràfols**, Ingenio, Valencia
- » **Magda Fontana**, University of Turin & DESPINA
- » **George Richardson**, Nesta UK

Chair: **Martina Iori**, Sant'Anna School of Advanced Studies, Pisa

10.30 - 11.00 Coffee Break

11.00 - 12.30 **Session IX** - Innovation value-chains specialization into public sectors, large firms and start-ups

- » Keynote: **Stephen Roper**, Warwick Business School
- » **C. Scott Dempwolf**, University of Maryland
- » **Slavo Radosevic**, University College London

Chair: **Iacopo Gronchi**, Sant'Anna School of Advanced Studies, Pisa & CEST

12.30 - 14.00 Lunch Break

14.00 - 15.15 **Final Roundtable** - Can disruptive innovation be predicted? Improved tools to address innovation policy objectives

- » **Han Dols**, CERN
- » **William Hynes**, OECD
- » **Barbara Graffino**, Talent Garden Fondazione Agnelli
- » **Luigi Ruggerone**, Intesa Sanpaolo Innovation Center

Chair: **Laura Martinelli**, IN Srl

15.15 - 16.00 **Ideas presentations & Closing remarks**